

Dorado	13/02/2019	21/02/2019	28/02/2019	07/03/2019	14/03/2019	21/03/2019	28/03/2019	04/04/2019	11/04/2019	15/04/2019	25/04/2019	02/05/2019	09/05/2019	16/05/2019	23/05/2019			Compliance level		Total Breaches	Total Compliances
DBO5 (mg/L) 35	2	2	12.54	6.24	2	32	11.1	24.9	56	2	12.5	60	2	4.5	10.3		0.00	Below	35	36	69
EC (uS/cm) NR	683	712	579	611	706	681	634	848	875	608	600	649	683	584	612			NR	NR		
DQO/DBO5 NR	4	2	1.21	2.58	8.15	1.65	2.09	1.93	1.48	45.5	3.6	1.48	9.5	1.91	2.38			NR	NR		
DQO (mg/L) 100	8.8	4	15.2	16.1	16.3	53	23.3	48	83	91	45	89	18.9	8.6	24.5			Below	100	12	93
pH (pH units) 5.5-9.0	6.17	7.45	6.49	6.98	6.92	6.25	7.02	6.97	7.52	6.18	6.57	7.3	7.2	6.66	6.76			Between	5.5-9.0	13	92
Turbidity (NTU) 30	3.82	3.3	2.46	1.45	1.22	3.39	5.17	12.8	13.9	21.3	9.32	14.3	3.72	1.31	3.06			Below	30	8	97
Total suspended solids (mg/L) 35	12	14	12	14	8	24	18	20	41	36	10	14	24	1	18			Below	35	11	93
Total solids (mg/L) NR	506	534	434	469	515	518	486	637.5	645.5	471.5	458.5	475.5	524.5	409.5	512			NR	NR		
Detergents (mg/L) 1.00	0.26	0.25	0.09	0.08	0.15	0.25	0.08	0.05	0.38	0.32	0.3	0.08	0.19	0.22	0.24			Below	1.00	3	101
Oil and grease (mg/L) 20	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00			Below	20	0	105
Total Phosphorus (mg/L) 5	6.3	3.7	0.8	0.7	1.5	0.5	2.7	7.1	1.1	2.2	2.3	9.5	0.5	4.1	4.7			Below	5	41	63
Total Coliform (NMP/100mL) 1000																		Below *most probable number	1000	4	100
Chloride- (mg/L) 400	124.4139	117.3623	94.1573	100.5973	23.7807	110.8105	97.9318	128.9673	133.7728	118.6173	119.192	122.289	109.2375	94.9018	98.9974			Below	400	0	103
Nitrates (mg/L) 6	18.736	1.99232	1.7097	2.8831	2.6975	3.6241	1.8	2.1	2.024	3.2484	13.9397	0.9832	3.0138	10.1014	9.4229			Below	6	45	51
Total Organic nitrogen (mg/L) 10**	10.2309	3.15	1.12	2.52	16.78	1.53	3.62	3.8172	3.11	9.7259	7.05	2.4327	5.6019	5.6743	8.6			Below	10	57	35
Temperature (°C) ±3																		Within the Limits	Normal temperature		

TMF	13/02/2019	21/02/2019	28/02/2019	07/03/2019	14/03/2019	21/03/2019	28/03/2019	04/04/2019	11/04/2019	15/04/2019	25/04/2019	02/05/2019	09/05/2019	16/05/2019	23/05/2019			Compliance level		Total Breaches	Total Compliances
DBO5 (mg/L) 35	4.56	9.3	18	20.94	2	81	12.9	32.9	31.98	486	18.8	5	33.3	39.2	11.1		0.00	Below	35	54	50
EC (uS/cm) NR	906	959	944	1000	1191	1087	1203	1442	1472	1375	1203	1314	1283	1767	1323			NR	NR		
DQO/DBO5 NR	2.78	3.47	1.62	1.94	73.5	1.44	22.4	1.91	1.56	1.63	2.07	1.4	1.22	2.19	2.59			NR	NR		
DQO (mg/L) 100	12.7	32.3	29.2	40.6	147	117	290	63	50	728	39	7	40.7	86	28.8			Below	100	26	78
pH (pH units) 5.5-9.0	7.55	8.09	6.62	6.95	6.97	7.17	6.78	6.38	7.74	6.31	6.92	7.35	7.43	7.72	7.27			Between	5.5-9.0	8	96
Turbidity (NTU) 30	5.59	7.84	2.39	7.79	16.9	84.9	52.2	7.84	11.2	546	7.21	3.44	16.3	11.6	2.38			Below	30	4	100
Total suspended solids (mg/L) 35	32	8	13.7	42	34	200	133.3	10	25	370	16	24	70	4	10			Below	35	34	70
Total solids (mg/L) NR	682	710	696.2	784	911.5	993	1017.3	1076	1039	1345	913	973	1006	1193.6	1056.5			NR	NR		
Detergents (mg/L) 1.00	0.17	0.17	0.24	0.15	0.15	0.32	0.12	0.05	0.24	0.84	0.09	0.06	0.1	0.13	0.09			Below	1.00	1	101
Oil and grease (mg/L) 20	2.00	2.00	2.00	2.00	3.40	5.60	2.00	2.00	2.00	19.60	2.00	2.00	2.00	2.00	2.20			Below	20	0	104
Total Phosphorus (mg/L) 5	3.1	2	0.5	3.6	2.6	9.7	6	1.2	1.2	14.4	0.9	1.2	2.8	1.4	0.8			Below	5	53	51
Total Coliform (NMP/100mL) 1000	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+02	1.00E+01	1	6.3	100	1	770	10	5794	1			Below *most probable number	1000	16	88
Chloride- (mg/L) 400	97.1337	115.451	103.5823	135.2967	47.207	150.3841	163.6352	130.9262	120.4893	164.9579	133.283	96.7487	69.327	113.737	98.7129			Below	400	0	103
Nitrates (mg/L) 6	16.035	0.9695	26.4057	7.4627	0.8934	2.0466	2.1755	2.3955	3.525	2.3113	1.0736	1.0808	1.2812	1.3163	1.7476			Below	6	72	23
Total Organic nitrogen (mg/L) 10**	4.9156	0.8878	4.04	5.8307	6.82	8.8735	9.43	1.3362	3.7853	25.3194	0.05	0.05	0.9291	3.7627	0.58			Below	10	68	25
Temperature (°C) ±3																		Within the Limits	Normal temperature		

Cobre	13/02/2019	21/02/2019	28/02/2019	07/03/2019	14/03/2019	21/03/2019	28/03/2019	04/04/2019	11/04/2019	15/04/2019	25/04/2019	02/05/2019	09/05/2019	16/05/2019	23/05/2019			Compliance level		Total Breaches	Total Compliances
DBO5 (mg/L) 35	13.91	2	65	24.8	2	66	39.4	29.3	16.08	43.2	44.5	62	2	32.5	24.5		0.00	Below	35	72	31
EC (uS/cm) NR	900	1074	1196	1071	895	1052	1150	1449	1448	1252	1370	1366	1468	1607	1334			NR	NR		
DQO/DBO5 NR	2.32	10	1.49	1.59	18.55	1.47	3.27	1.32	2	1.89	1.59	1.45	35	2.43	2.72			NR	NR		
DQO (mg/L) 100	32.3	20	97	39.4	37.1	97	129	38.6	32.7	82	71	90	75	79	69			Below	100	26	79
pH (pH units) 5.5-9.0	7.59	7.8	6.72	7.05	7.21	7.32	7.19	6.17	7.71	6.52	6.81	7.39	7.5	7.54	6.97			Between	5.5-9.0	0	104
Turbidity (NTU) 30	14.9	7.19	2.56	5.3	6.46	6.49	20.5	13.3	14.4	19	127	22.4	36.3	41.3	37.1			Below	30	15	89
Total suspended solids (mg/L) 35	10	12	17.3	18	32	18	40	21	24	29.09	48	52	36	20	32			Below	35	26	79
Total solids (mg/L) NR	653.5	792	88.3	793	688.5	785	891	1080.5	1025	919.5	1068.5	1033.5	1108.5	1151	1098			NR	NR		
Detergents (mg/L) 1.00	0.11	0.19	0.12	0.06	0.05	1.05	0.12	0.05	0.56	0.2	0.11	0.15	0.11	0.24	0.22			Below	1.00	20	81
Oil and grease (mg/L) 20	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.80	2.00	2.00	2.00	2.00	3.20			Below	20	1	102
Total Phosphorus (mg/L) 5	1.7	0.8	0.7	0.5	2.1	1.8	2.9	0.7	1.1	3.5	1.8	3.5	1.2	1.4	2.1			Below	5	66	39
Total Coliform (NMP/100mL) 1000	1	1	1.79E+04	1.00E+00	1.00E+00	1.00E+02	8.82E+02	1	10	2419	4710	2419.6	1000	100	100			Below *most probable number	1000	43	62
Chloride- (mg/L) 400	113.4268	159.5063	157.01	84.5066	17.1216	83.5559	106.8717	90.131	75.8123	78.4455	189.87	84.8248	70.7805	114.5162	97.7437			Below	400	0	103
Nitrates (mg/L) 6	2.0308	0.3964	1.8576	1.666	0.3824	1.5686	1.5074	2.0378	1.5845	1.2959	1.0628	1.1248	0.7921	1.3395	1.2787			Below	6	32	66
Total Organic nitrogen (mg/L) 10**	0.05	0.8318	3.27	2.4783	0.28	5.7848	6.28	0.1805	6.91	1.3996	5.51	3.9459	0.4345	12.066	2.06			Below	10	55	38
Temperature (°C) ±3																		Within the Limits	Normal temperature		

SK	13/02/2019	21/02/2019	28/02/2019	07/03/2019	14/03/2019	21/03/2019	28/03/2019	04/04/2019	11/04/2019	15/04/2019	25/04/2019	02/05/2019	09/05/2019	16/05/2019	23/05/2019			Compliance level		Total Breaches	Total Compliances
DBO5 (mg/L) 35	2.4	2	4.77	5.28	2	Falla electrica general en proyecto	20.3	9.42	6.15	10.5	2.5	2	2	11.6	9.4	0.00		Below	35	36	67
EC (uS/cm) NR	574	694	575	601	617		529	633	723	657	455.4	461.3	609	767	705			NR	NR		
DQO/DBO5 NR	2	2.5	1.13	1.96	5.55		1.55	1.1	2	1.57	1.6	2		1.57	2.07			NR	NR		
DQO (mg/L) 100	4	5	5.4	10.4	11.1		31.4	10.4	12.3	16.5	4	4	15.8	18.3	19.5			Below	100	13	92
pH (pH units) 5.5-9.0	5.03	7.63	6.4	6.9	7.02		6.66	6.49	7.86	6.25	6.8	6.83	7.51	6.88	7.05			Between	5.5-9.0	6	99
Turbidity (NTU) 30	1.55	6.14	2.76	4.62	3.32		2.43	2.86	3.9	4.18	3.97	6.1	5.48	7.05	6.75			Below	30	3	102
Total suspended solids (mg/L) 35	2	10	14	20	14		12	15	19	10	13	16	25	16	16			Below	35	11	93
Total solids (mg/L) NR	418	517	430	468.5	456		402	476.5	519.5	478	349.05	350.1	473.5	555.5	601			NR	NR		
Detergents (mg/L) 1.00	0.17	0.08	0.19	0.05	0.05		0.08	0.05	0.09	0.25	0.05	0.08	0.11	0.11	0.05			Below	1.00	0	103
Oil and grease (mg/L) 20	2.00	2.00	3.00	2.00	2.00		2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.80			Below	20	0	105
Total Phosphorus (mg/L) 5	0.5	0.9	0.5	0.5	0.5		1.9	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6			Below	5	23	82
Total Coliform (NMP/100mL) 1000	1	1	1	238.2	1		1	1	1	1	1	1	6.3	8.6	1			Below *most probable number	1000	3	102
Chloride- (mg/L) 400	101.086	86.5974	72.0806	78.4267	14.0819	83.1113	67.1646	76.6871	78.012	42.3969	55.3206	41.6955	64.34	60.1492	Below	400	0	104			
Nitrates (mg/L) 6	5.2045	0.7368	8.8763	2.1864	0.321	1.5668	1.57	1.2215	1.1722	0.9501	0.8892	0.7802	1.0626	1.1171	Below	6	0	61			
Total Organic nitrogen (mg/L) 10**	9	0.6453	1.977	0.3766	3.01	4.4241	0.05	2.05	0.2036	1.11	0.05	0.05	1.853	15.6	Below	10	1	33			
Temperature (°C) ±3															Within the Limits		Normal temperature				